

### ABSTRACT OF THE INVENTION

A system and method for transmitting information between a source host and a destination host. A source host generates a message and forwards the message via a label switched path to the destination host so that when a central routing module receives the message,

5 the message includes a label. A central routing module establishes a local master mapping table including a plurality of physical addresses, and each of the plurality of physical addresses is associated with a unique identifier such as a label. When a switch egress module receives the message with the label, the switch egress module determines a physical address associated with the label, maps the physical address to the message, and forwards the message to the destination

10 host associated with the label.

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